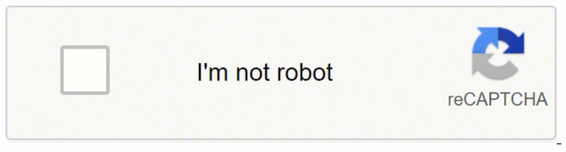

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Supply chain and logistics management made easy pdf full book online

Supply Chain Defined The first thing we need to do is get some definitions out of the way. Level 4: Workflow: Includes best practices, job details, or workflow of an activity. Consequently, there are standalone degree programs that are focused on training students in SCM and logistics (logistics is a sub-category of SCM).Why Is Good Supply Chain Management Important?Good supply chain management can be a critical point of competitive advantage and increased revenue, notably for firms that are producing goods. Now, there's an easy, practical introduction to the entire field: a source of reliable knowledge and best practices for students and professionals alike.Paul A. Today, logistics alone accounts for more than 9.5% of U.S. gross domestic product (GDP). As a result, most universities now offer supply chain and logistics courses, if not majors, and most organizations have a vice president of supply chain and logistics management (or similar title). You may have heard about the importance of good supply chain management (SCM), especially for a multi-national firm. It also includes the crucial components of coordination and collaboration with channel partners, which can be suppliers, intermediaries, third-party service providers, and customers." In essence, supply chain management integrates supply and demand management within and across companies and typically "includes all of the logistics management activities noted above, as well as manufacturing operations, and it drives coordination of processes and activities with and across marketing, sales, product design, finance and information technology" (Council of Supply Chain Management Professionals [CSCMP], 2014). A firm's supply chain can be thought of as all the sequential activities that the company and its suppliers (and manufacturers) undertake in the goods manufacturing process, from production to final distribution. Some people take a narrower view of supply chain, and in many cases, they think of it as focused more on the supply end (that is, purchasing), and so ignore the logistics side (as defined as the part of the supply chain that plans, implements, and controls the efficient movement and storage of goods, services, and information from the point of use or consumption to meet customer requirements). Writing in plain English, he covers all the planning and management tasks needed to transform resources into finished products and services, and deliver them efficiently to customers.Using practical examples, Myerson reviews the integration, collaboration, and technology issues that are essential to success in today's complex supply chains. Supply chain management is one of the fastest growing areas of business, and salaries are rising alongside demand. An attribute itself cannot be measured; it is used to set strategic direction. It is a model to both define and measure the performance of an organization's supply chain. Once the performance of supply chain operations has been measured and performance gaps identified, they are benchmarked against industry best practices to target improvement, as discussed in more detail later in this book. Since that time, we've seen the creation of the Internet and various business technologies such as enterprise resource planning (ERP) systems, advanced planning systems (APS), and radio frequency ID (RFID), to name a few, which have helped to speed up the flow of information and product lifecycles as well as increasing the need for better communication, collaboration and visibility. Depending on one's view, some of the functions listed here may be included within the supply chain and logistics organization: Procurement: The acquisition of goods or services from an outside external source Demand forecasting: Estimating the quantity of a product or service that customers will purchase Customer service and order management: Tasks associated with fulfilling an order for goods or services placed by a customer Inventory: Planning and management Transportation: For hire and private Warehousing: Public and private Materials handling and packaging: Movement, protection, storage, and control of materials and products using manual, semi-automated, and automated equipment Facility network: Location decision in an organization's supply chain network Supply chain management is also intertwined with operations management, which consists of activities that create value by transforming inputs (that is, raw materials) into outputs (that is, goods and services). The levels, from broadest to narrowest, are defined as follows: Level 1: Scope: Defines business lines, business strategy and complete supply chains. Level 3: Activity: Specifies tasks within the supply chain, describing what people actually do. Myerson [Supply Chain and Logistics Management Made Easy: Methods and Applications for Planning, Operations, Integration, Control and Improvement, and Network By (Author) May-2015 Hardcover "$$PDF Download Supply Chain and Logistics Management Made Easy: Methods and Applications for Planning, Operations, Integration, Control and Improvement, and Network Design AUDIOBOOK Get full access to Supply Chain and Logistics Management Made Easy: Methods and Applications for Planning, Operations, Integration, Control and Improvement, and Network Design and 60K+ other titles, with free 10-day trial of O'Reilly. You'll learn how to measure your supply chain's performance, make it more agile and sustainable, and focus it on what matters most: adding customer value. Over $1.3 trillion is spent on transportation, inventory, and related logistics activities. As you will see in this book, it is important to understand the similarities and differences between more functional areas like logistics, which includes transportation and distribution, versus the broader concept of SCM, which is cross-functional and cross-organizational. Personally, I tend to refer to the field as supply chain and logistics management to make clear what is included. MORE FROM QUESTIONSANSWERED.NET "Supply Chain and Logistics Management Made Easy: Methods and Applications for Planning, Operations, Integration, Control and Improvement, and Network Design by Paul A. There's also live online events, interactive content, certification prep materials, and more. In this book, we not only define the supply chain but also offer insight into its various components, tools, and technology to help improve your understanding so that you can use it as a competitive tool in your business. We are at the point today where most people are familiar with the terms supply chain and logistics but don't really know that much about them. Myerson teaches you all you'll need to start or move forward in your own supply chain career. The terms supply chain and supply chain management (SCM) should be separately defined because they are sometimes (mistakenly) used interchangeably. The supply chain can therefore also include retailers.Supply Chain Management: A Brief DefinitionNow that we have defined "supply chain," we can move on to SCM. Therefore, understanding and implementing an efficient supply chain strategy can prove critical to both an employee's and a company's success. However, beyond supply chain and logistics employees, not many in business or the public fully understand the role and importance that the supply chain plays in gaining and maintaining a competitive advantage in today's world. Prior to that, functions such as purchasing, transportation, warehousing, and so on were isolated and at fairly low levels in organizations. But what does this frequently used term mean? Figure 1.1 SCOR model The SCOR model is organized around the five major management processes (see Figure 1.1): Plan: Alignment of resources to demand Make: Conversion or value-added activities within a supply chain operation Source: Buying or acquiring materials or services Deliver: All customer interaction, from receiving order to final delivery and installation Return: All processes that reverse material or service flows from the customer backward through the supply chain This provides a broad definition for the supply chain, which highlights its importance to the organization and how it helps create metrics to measure performance. Level 2: Configuration: Defines specific planning models such as "make to order" (MTO) or "make to stock" (MTS), which are basically process strategies. This can have a major impact on decision making, structure, and staffing in an organization, so it needs to be understood and examined carefully. Because supply chain and logistics costs can range from 50% to 70% of a company's sales (with trillions spent on it worldwide), organizations of all sizes both perform and are interested in this function. Supply chain activities transform natural resources, raw materials, and components into a finished product that is delivered to the end customer. It requires coordinating information and logistics, as well as having a holistic view of the entire supply chain process.Where Does Supply Chain Management Fit in Business Theory and Practice?Supply chain management is an interdisciplinary topic within business and management studies. SCOR Metrics To this aim, the SCOR model is also a hierarchical framework that combines business activities, metrics, and practices that can be looked at from a high or very detailed level. Level 5: Transaction: Specific detail transactions to perform a job step. In other cases, many just assume that logistics is included but don't state it. Both activities support the manufacturing process. This chapter is from the book In the early 1980s, U.S. companies dramatically increased the outsourcing of manufacturing, raw materials, components, and services to foreign countries. Still others, while including both areas above, ignore the planning aspects of supply chain. All SCOR metrics have five key strategic performance attributes. It draws from multiple areas of study and practice, such as operations research, information technology and industrial engineering. Around that time, the term supply chain was coined to recognize the increased importance of a variety of business disciplines that were now much more challenging to manage as a result of the new global economy. He covers the entire field: from planning through operations, integration and collaboration through measurement, control, and improvement.You'll find practical insights on hot-button issues ranging from sustainability to the lean-agile supply chain. The five strategic attributes are as follows: Reliability: The ability to deliver, on time, complete, in the right condition, packaging, and documentation to the right customer Responsiveness: The speed at which products and services are provided Agility: The ability to change (the supply chain) to support changing (market) conditions Cost: The cost associated with operating the supply chain Assets: The effectiveness in managing assets in support of demand satisfaction The SCOR model contains more than 150 key indicators, such as inventory days of supply and forecast accuracy, that measure the performance of supply chain operations and are grouped within the previously listed strategic attribute categories. Myerson concludes by helping you anticipate key emerging trends—so you can advance more quickly in your own career.Trillions of dollars are spent every year on supply chains and logistics. The concept of the supply chain has now risen in importance to the extent that commercials on TV extol the virtues of logistics (for example, UPS "I Love Logistics" commercials) to the point where it is now part of the common lexicon and very mainstream. The supply chain itself is a system of organizations, people, activities, information, and resources involved in the planning, moving, or storage of a product or service from supplier to customer (actually more like a "web" than a "chain"). SCOR Model Another way to view the supply chain is through the SCOR model, which was developed by the Supply Chain Council (SCC) (2014) to teach, understand, and manage supply chains. MASTER NUTS-AND-BOLTS OPERATIONAL BEST PRACTICES Improve procurement, transportation, warehousing, ordering, reverse logistics, and more BUILD A BETTER GLOBAL SUPPLY CHAIN Manage new risks as you improve sustainability STRENGTHEN KEY LINKAGES WITH YOUR PARTNERS AND CUSTOMERS Get supply chains right by getting collaboration right PREVIEW THE FUTURE OF SUPPLY CHAINS—AND Discover "where the puck is headed"—so you can get there first YOUR SUPPLY CHAIN CAREER Paul Myerson introduces his book, Introduction to Supply Chain and Logistics Management Made Easy, where he not only defines the supply chain but also offers insight into its various components, tools, and technology to help improve your understanding so that you can use it as a competitive tool in your business. As the name suggests, SCM is simply the management of the supply chain. Below, you'll find a definition and brief explanation of this business concept.What is a Supply Chain?Before defining supply chain management, it is helpful to first define a supply chain. THE PRACTICAL, EASY INTRODUCTION TO MODERN SUPPLY CHAIN/LOGISTICS MANAGEMENT FOR EVERY PROFESSIONAL AND STUDENT! COVERS CORE CONCEPTS, PLANNING, OPERATIONS, INTEGRATION, COLLABORATION, NETWORK DESIGN, AND MORE SHOWS HOW TO MEASURE, CONTROL, AND IMPROVE ANY SUPPLY CHAIN INCLUDES PRACTICAL ADVICE FOR JUMPSTARTING YOUR OWN SUPPLY CHAIN CAREER This easy guide introduces the modern field of supply chain and logistics management, explains why it is central to business success, shows how its pieces fit together, and presents best practices you can use wherever you work.Myerson explains key concepts, tools, and applications in clear, simple language, with intuitive examples that make sense to any student or professional. For example, I once heard a major paper goods manufacturer describe their supply chain for toilet paper as ranging from "stump to rump." In contrast, supply chain management, as defined by the Council of Supply Chain Management Professionals (CSCMP), "encompasses the planning and management of all activities involved in sourcing, procurement, conversion, and logistics management. A performance attribute is a group of metrics used to express a strategy. It can help bring goods to consumers more quickly and efficiently, and help the firm maximize value.How Do You Improve Supply Chain Management?Some of the factors that companies can focus on to improve their SCM include implementing better information management systems across the entire supply chain, removing inefficiencies at all stages and maintaining strong relationships with suppliers and manufacturers.It's also very important to keep track of macroeconomic trends, as these can have a big impact on profitability, especially if some stages of the manufacturing process are located abroad, in countries with different currencies (which makes them vulnerable to exchange rate fluctuations, for example). This means undertaking processes and activities that help improve a company's supply chain efficiency, and implementing best practices throughout all stages.Because a supply chain can potentially involve many different parties that are often dispersed throughout the world, effectively managing it can be quite a challenging task.

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